



THE WORLD LEADER IN HIGH PERFORMANCE WRAPAROUND™ ANTENNAS.

# ANTENNA QUESTIONNAIRE

Because every antenna has special mechanical and environmental considerations, we have provided this questionnaire to assist us in better understanding your specific antenna needs. Please fill out with all of the applicable information you can provide, save the file and send as an attachment directly to your contact at Haigh-Farr or sales@haigh-farr.com.

Type of Antenna:  Wraparound™  Omnislot™  Flexislot™  Blade  Button  Conformal  Other

Program Name: \_\_\_\_\_ Type of Vehicle: \_\_\_\_\_

First Article Delivery: \_\_\_\_\_ Production Article Delivery: \_\_\_\_\_ Quantity: \_\_\_\_\_

Describe the Application (if multi-band, check all that apply, and please include information for each channel below)

Flight Termination  GPS  Telemetry  Transponder  Other/Additional Info: \_\_\_\_\_

<b>ELECTRICAL INFORMATION:</b>	BAND 1	BAND 2	BAND 3	BAND 4	BAND 5
Frequency (MHz)					
Bandwidth (MHz)					
Average Power Output (W)					
Peak Power Output (W)					
Polarization					
Gain (dBi)					

Beam Coverage Desired:  Omnidirectional  Hemispherical  Beam (specify Beamwidth) \_\_\_\_\_

Antenna Connector or Direct Cable Feed:  Connector type? \_\_\_\_\_  Direct cable feed

Other Additional Information: \_\_\_\_\_

## **Mechanical Information**

Vehicle shape (attach sketch, drawings, or model if possible): \_\_\_\_\_

Shape of the mounting surface:  Flat  Cylindrical  Conical  Conformal

Type of mounting to vehicle:  Flush  Exterior  Other/Additional Information: \_\_\_\_\_

Where will the antenna be mounted (e.g. nose, tail, etc.): \_\_\_\_\_

## **Area Available for the Antenna**

For cylindrical/conical surfaces: Mounting Diameter: \_\_\_\_\_ Axial Length: \_\_\_\_\_ Thickness: \_\_\_\_\_

For flat surfaces: Length: \_\_\_\_\_ Width: \_\_\_\_\_ Thickness: \_\_\_\_\_

Method of attachment to vehicle:  Screw  Adhesive  Other: \_\_\_\_\_

Will anything cover any part of the antenna's outer surface, such as a fin, ablative surface, or cable channel? If yes, please specify what and where:

\_\_\_\_\_  
\_\_\_\_\_

**Environmental Specification Information:**

Temperature range/profile soak: \_\_\_\_\_ Aero heating: \_\_\_\_\_

Mach number or speed: \_\_\_\_\_

Flight duration: \_\_\_\_\_

Shock & vibration parameters: \_\_\_\_\_

Other requirements: \_\_\_\_\_

**Additional Information** (attach any sketches or drawings)

Formal tests required (check all that apply)

- ATP  Qualification  Protoqual  First Article
- Testing parameters:  Thermal Cycling  Vibration  Humidity  Salt Fog  Shock  Pyro-shock  
(check all that apply)  Bench Shock  VSWR  Antenna Patterns

Simulation Requirements: \_\_\_\_\_

\_\_\_\_\_

**Your Information**

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Email Address: \_\_\_\_\_

Company: \_\_\_\_\_

Division: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Office Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Best method to contact:

## DESIGN CAPABILITY

With over 50 years of antenna design, your antenna configuration/performance requirements may already exist, or extrapolations from similar Haigh-Farr designs may be possible with minimal effort. If a design meeting your requirements does not exist, Haigh-Farr has the experience and simulation capability to customize a solution. Contact Haigh-Farr for a review of your antenna requirements.